IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Colin WATTS

Application No.:

To Be Determined

Filed

September 25, 2000

Title

USE OF INHIBITORS OF MAMMALIAN ASPARAGINYL ENDOPEPTIDASE FOR THERAPY

OF AUTOIMMUNE DISEASE

Grp./Div.

To Be Determined

Examiner

To Be Determined

Docket No.

350013-71 GS04

INFORMATION DISCLOSURE STATEMENT 37 CFR § 1.97(b)

Assistant Commissioner for Patents Washington, D.C. 20231

2029 Century Park East, #3800 Los Angeles, CA 90067-3024 September 25, 2000

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO-1449 listing the references that are known to applicant. Enclosed is a copy of the International Search Report, the references thereof being "on order" and to be submitted as soon as received. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO-1449 be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,

OPPENHEIMER WOLFF & DONNELLY LLP

This paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 Mailing Label No. EL 595 7129041

Enclosures: PTO-1449, w/enclosure

J:\FORMS\keyboard\PAT-PTO\IDS

Charles Berman Esq.

Reg. No. 29,249 310/788.5000

FORM PTO-1449	Attorney Docket Number	350013-71 GS04
	Application Number	To Be Assigned
INFORMATION DISCLOSURE	Filing Date	September 25, 2000
STATEMENT BY APPLICANT	Applicant(s)	Colin WATTS
(use as many sheets as necessary)	Group Art Unit	To Be Determined
(use as many sneets as necessary)	Examiner Name	To Be Determined

		U.S.	PATENT DOCUMENTS	S		
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUEDATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
•						
						,
		1		l	ll	

		FORE	CIGN PATENT DOCUMENTS		•		
EXAMINER	DOCUMENT	PUBLICATION				TRANS	LATION
INITIALS	NUMBER	DATE	COUNTRY ORPATENT OFFICE	CLASS	SUBCLASS	YES	NO
	WO 91/06571						
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	WO 94/24281						
	WO 97/40066						

	OTHER DOCUMENTS
EXAMINER	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal,
INITIALS	serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	International Search Report (attached) PCT/GB99/00963 (listed references ON ORDER)
	FINESCHI & MILLER (1997) Trends Biochem. Sci. 22, pp. 377-382 (ON ORDER)
	CHAPMAN (1998) Curr. Op. Immunol. 10, pp. 93-102 (ON ORDER)
	RIESE ET AL. (1996) Immunity 4, pp. 357-366 (ON ORDER)
	VILLADANGOS ET AL (1997) J. Exp. Me. 185, pp. 546-560 (ON ORDER) (ON ORDER)
·	CHEN, ET AL. (1997) J. Biol. Chem. 272, pp. 8090-8096 (ON ORDER)
	CRESSWELL (1996) Cell 84, P. 505 (ON ORDER)

FORM PTO-1449	Attorney Docket Number	350013-71 GS04
	Application Number	To Be Assigned 4 05 ft
INFORMATION DISCLOSURE	Filing Date	September 25, 2000
STATEMENT BY APPLICANT	Applicant(s)	Colin WATTS
(use as many sheets as necessary)	Group Art Unit	To Be Determined
	Examiner Name	To Be Determined

•	OTHER DOCUMENTS
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CHEN ET AL. (1997) J. Biol. Chem. 272, pp. 8090-8098
	O'SULLIVAN ET AL (1986) Proc. Natl. Acad. Sci. USA 83, pp. 4484-4488 (ON ORDER)
•	KUDO ET AL., (1985) Nucl. Acids Res. 13, pp. 8827-8841 (ON ORDER)
	LU ET A. (19081) J. Org. Chem 46, pp 3433 (ON ORDER)
	PALMER ET AL (1995) J. Med. Chem 38, pp. 3193-3196 (ON ORDER)
	THOMSON, Methods Enzymol. 46, p. 220 (ON ORDER)
-	VINITSKY ET AL. (1994) J. Biol. Chem. 259, pp. 29860-29866; 639-648. (ON ORDER)
	SHAW (1994) Methods Enzymol. 244, pp. 649-656 (ON ORDER)
	SHAW & green (1981) Methods Enzymol. 80, pp. 820-826 (ON ORDER)
	KRANTZ (1994) Methods Enzylmol. 244, pp. 656-671 (ON ORDER)
<u>.</u> .	BROMME & DEMUTH (1994) Methods Enzymol. 244, pp. 671-685_ (ON ORDER)
	WILLIAMS & MANN (1993) Methods Enzymol. 222, pp. 503-513 (ON ORDER)
	CHEN ET AL. (1998) FEBS Letters 441, pp. 361-365 (ON ORDER)
· · · · ·	KIRSCHKE, "Lysosomal Cysteine Proteases", Barrett & Rawlings, 2 nd Edit., 1998, Oxford University Press, Oxford (ON ORDER)
	GOODCHILD, J., 1988 "Inhibition of Human Inmunodeficiency Virus Replication by Antisense Oligodeoxynucleotides", Prc. Natl. Acad. Sci. (USA) 85 (15) pp. 5507-11 (ON ORDER)
	AGRAWAL ET AL (1988) Proc. Natl. Acad. Sci USA 85, pp. 7079-7083 (ON ORDER)
	SARIN ET AL. (1988) Proc. Natl. Acad. Sci. USA 86, pp. 7790-7794 (ON ORDER)
	LEITHER ET AL. (1990) Proc. Natl. Acad. Sci USA 87, pp. 3430-3434 (ON ORDER)
	SHAW ET AL. (1991) Nucleic Acids Res. 19, pp. 747-750 (ON ORDER)



FORM PTO-1449	Attorney Docket Number	350013-71 GS04
	Application Number	To 0. 46950
INFORMATION DISCLOSURE	Filing Date	September 25, 2000
STATEMENT BY APPLICANT	Applicant(s)	Colin WATTS
(use as many sheets as necessary)	Group Art Unit	To Be Determined
	Examiner Name	To Be Determined

	AGRAWALD AND TANG (1990) Tetrahedron Letters 31, 7541-7544 (ON ORDER)
	AGRAWALD AND GOODCHILD (1987) tetrahedron Leters, 28, p. 3539 (ON ORDER)
	NIELSEN ET AL. (1988) Tetrahedron Letters, 29, p. 2911 (ON ORDER)
	JAGER ET AL. (1988) Biochemistry 27, p. 7237 (ON ÖRDER)
	UZNANSKI ET AL (1987) Tetrahedron Letters 28, p. 3401 (ON ORDER)
	BANNWARTH (1988) Helv. Chim. Acta. 71, p. 1517 (ON ORDER)
	CROSSTICK AND VYLE (1989) Tetrahedron Leters 30, p. 4693 (ON ORDER)
	AGRAWALD ET AL. (1990) Proc. Natl. Acad. Sci USA 87, pp. 1401-1405 (ON ORDER)
	COHEN (1990) Trends in biotechnology (ON ORDER)
	SHAW ET AL. (1991) Proc. Natl. Acad. Sci USA 88(17) pp. 7595-7599 (ON ORDER)
	TANG ET AL. (1993) Nucl. Acids Res. 21, pp. 2729-2735 (ON ORDER)
	ALTERI ET AL. (1993) Antimic. Ag. Chemotherapy 37, pp. 2087- (ON ORDER)
`	CANTORNA ET AL. (1988) J. Nutr. 128, pp. 68-72 (ON ORDER)
	XIAO & LINK (1997) Clin. Immunol. Immunopathol. 85, pp. 119-128 (ON ORDER)
	KUMAR ET AL. (1997) J. Exp. Med. 185, pp. 1725-1733 (ON ORDER)
	ALTMAN ET AL. (1995) J. Exp. Med. 181, pp. 867-875 (ON ORDER)
	YAMAMOTO ET AL. (1994) J. Ex. Med 180, pp. 165-171 (ON ORDER)
	WOODS ET AL. (1994) J. Exp. med. 180, pp. 173-181 (ON ORDER)
	LU, J. & VAN HALBEEK, H. (1996) "complete ¹ H and ¹³ C resonance assignments of a 21-amino acid glycopeptide prepared from human serum transferrin." Carbohydr. Res. 296; pp. 1-21 (ON ORDER)
	DAVIDSON & WATTS (1989) J. Cell. Biol. 109, p. 85 (ON ORDER)

FORM PTO-1449	Attorney Docket Number	350013-71 GS04
	Application Number	To 0941646950
INFORMATION DISCLOSURE	Filing Date	September 25, 2000
STATEMENT BY APPLICANT	Applicant(s)	Colin WATTS
(use as many sheets as necessary)	Group Art Unit	To Be Determined
	Examiner Name	To Be Determined

EXAMINER	DATE
SIGNATURE	CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

/sfc

1449-new